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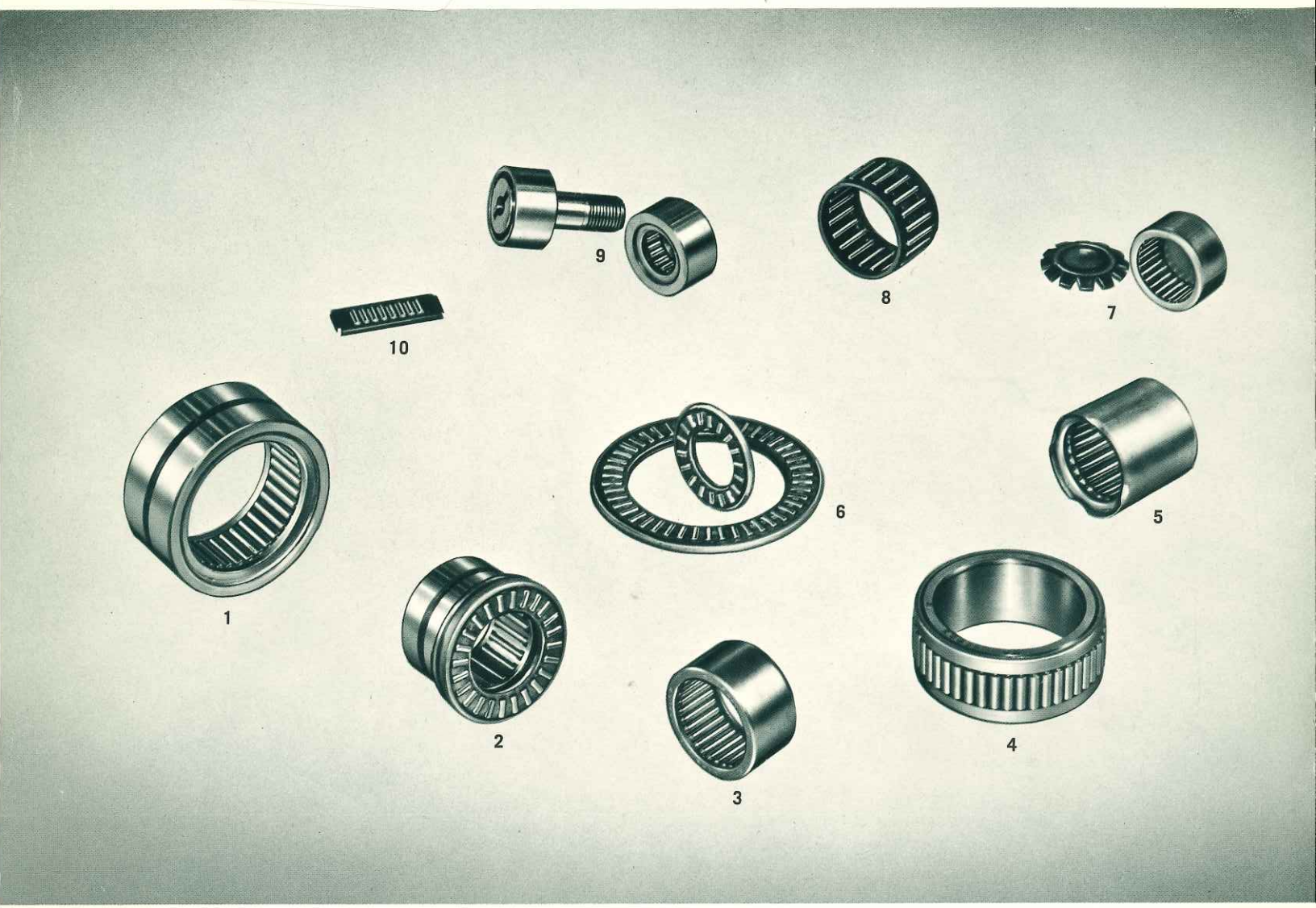
GARLOCK-NADELLA INC.

LLER BEARINGS

needle-roller bearings



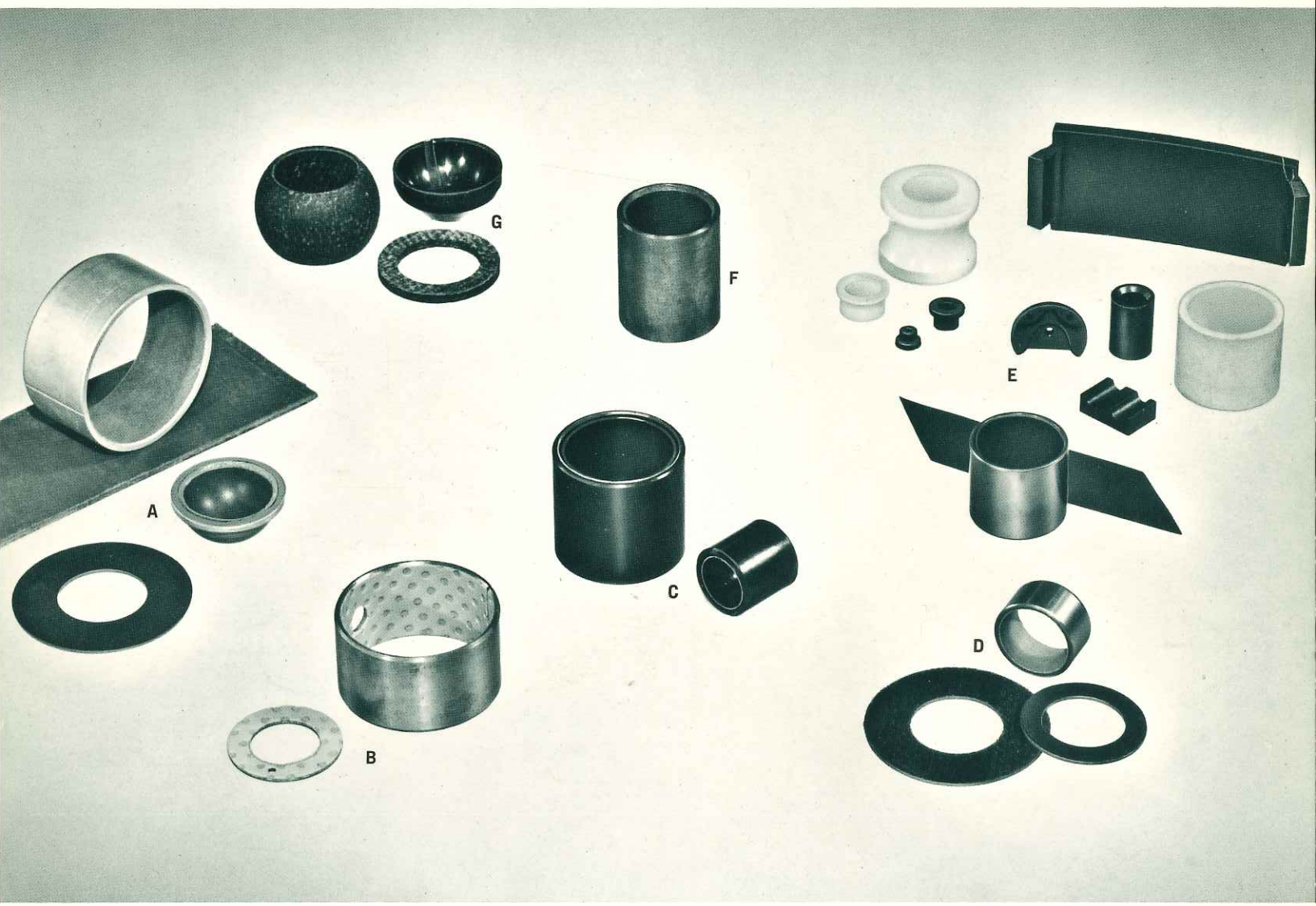
Backed by over 30 years of needle bearing know-how, Garlock-Nadella offers a superior line including many exclusive, patented developments. These include: (1) Delta Bearings—radial play can be precisely adjusted to zero or any desired positive or preload value. Eliminates eccentricity and vibration. Outstanding rigidity and high load capacity. Exceptional service life. (2) RAX Combined Bearings—patented, integral radial and axial needle bearings accommodate much higher speeds and loads than any other design. Noted for excellent concentricity and perpendicular precision. RAX Needle Bearings provide the best assurance of perfectly concentric rotation. (3) Drawn Cup Needle - Roller Bearings —precision manufactured for highest load carrying capacity and longest life. Furnished with or without inner race. (4) Reversed Needle Bearings—closely spaced needles on the inner ring use hardened housing bore as the outer raceway. Permit use of larger shaft without increasing overall size. (5) Needle Cartridges—outer shell can be removed easily when the needle assembly is installed. Extremely compact with high load carrying capacity. (6) Needle & Roller Thrust Bearings—exceptionally thin construction featuring an integral raceway and curved retainer. Patented design assures extremely precise axial location, even under variable loads. Accommodate higher loads and speeds in less space with longer life than other types. (7) CN—drawn cup bearing with a patented securing star that imposes constant axial pressure. Ideal for universal and steering joints. (8) Needle Cages—compact bearings with needle rollers in a circular retainer. Also available as half bearings. (9) Cam Followers—provide highest possible resistance to shock and overloading. Available with or without an integral stud. (10) Needle Tracks—assure maximum load capacity in minimum space for reciprocating motions. □ We shall be pleased to provide details and technical assistance on any of these precision needle-roller bearings.

GARLOCK-NADELLA INC. / BOX 612, CAMDEN, N.J. 08101 / (609) 964-2212

GARLOCK-NADELLA INC.

PLASTIC AND NEEDLE-ROLLER BEARINGS

plastic-based bearings



Garlock-Nadella offers the broadest line of plastic-based bearings available anywhere. Each is engineered to provide a superior combination of features not found in any other type of plastic bearing. In brief, they provide the design engineer with ready answers for a wide range of bearing needs—particularly where lubrication is undesirable or impractical. Typical types include: **(A)** DU*—the extraordinary bearing that out-performs all other dry bearings at temperatures from −328°F. to 536°F. DU is a unique combination of a steel backing for high load carrying capacity . . . a porous inner structure of spherical bronze for high thermal conductivity . . . and TFE-lead for minimal friction and exceptionally low wear. Available in bushings, thrust washers, cups and strip. **(B)** DX*—indented grease cups make this "prelubricated," steel-backed bearing ideal wherever some lubrication is desirable but constant lubrication is impractical. Its modified acetal resin polymer surface greatly increases lubricating efficiency. DX can be resized. **(C)** MA—this reinforced plastic bushing has an integral seal that excludes foreign matter. Well-suited for low speed oscillating service. **(D)** TML—Filled TFE-metal laminate available as a strip or finished component. **(E)** Acetal, Nylon and TFE bearings with and without fillers — engineered for specialized requirements where standard materials may not be completely applicable. **(F)** Woodmont† — this metal-backed bearing comprises a mixture of bronze and TFE with a resin binder. Can be used with or without lubrication. Resizable. **(G)**—Reinforced Phenolic Plastic Bearings—offer exceptional resilience and wear resistance for high load, low speed applications. □ Additional details on any of these outstanding bearings as well as technical assistance will be gladly furnished upon request. ** Trademark of Glacier Metal Co., Ltd. † Trademark of Woodmont Products Inc.*

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